INTERNATIONAL SEARCH REPORT

International Application No ICI/IB 03/06052

A. CLASSIFICATION OF SUBJECT MATTER IPC 7 G11B7/125

•

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
х	WO 97/30444 A (PHILIPS ELECTRONICS NV; PHILIPS NORDEN AB (SE)) 21 August 1997 (1997-08-21) page 1, line 21 - page 1, line 28 page 3, line 15 - page 4, line 20 page 5, line 19 - page 7, line 1 figures la-1d	1-8
	EP 1 102 247 A (VICTOR COMPANY OF JAPAN) 23 May 2001 (2001-05-23) column 11, paragraph 75 - column 11, paragraph 76 column 12, paragraph 80 column 14, paragraph 86 - column 15, paragraph 90 figures 1,3,7,8 -/	1-8

Further documents are listed in the continuation of box C.	X Patent family members are listed in annex.
Special categories of cited documents: A document defining the general state of the art which is not considered to be of particular relevance E earlier document but published on or after the international filing date L document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another clation or other special reason (as specified) O document referring to an oral disclosure, use, exhibition or other means	"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other substitute.
"P" document published prior to the international filing date but later than the priority date claimed Date of the actual completion of the international search	ments, such combination being obvious to a person skilled in the art. '&' document member of the same patent family Date of mailing of the international search report
27 July 2004	03/08/2004
Name and mailing address of the ISA European Patent Office, P.B. 5818 Patentlaan 2 NL – 2280 HV Rijswljk Tel. (+31–70) 340–2040, Tx. 31 651 epo nl, Fax: (+31–70) 340–3016	Authorized officer Brezmes Alonso, F

INTERNATIONAL SEARCH REPORT

International Application No I/IB 03/06052

C.(Continu	ation) DOCUMENTS CONSIDERED TO BE RELEVANT	FT/IB 03/06052
	Citation of document, with ir h, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 98/36411 A (DUCHATEAU JOHAN PHILIPPE WILLI; WOUDENBERG ROEL VAN (NL); BORG HERMAN) 20 August 1998 (1998-08-20) page 1, line 21 - page 1, line 27 page 3, line 32 - page 4, line 9 page 4, line 14 - page 4, line 23 page 4, line 33 - page 5, line 8 page 5, line 27 - page 8, line 9 figures 1a,1b	1-8
		·

Form PCT/ISA/210 (continuation of second sheet) (January 2004)

3

INTERNATIONAL SEARCH REPORT

International Application No PCT/IB 03/06052

Patent document	Publication		Patent family Publication		
cited in search report		date		member(s)	Publication date
WO 9730444	Α .	21-08-1997	AT	239968 T	15-05-2003
			ΑT	246837 T	15-08-2003
		•	ΑU	1554497 A	02-09-1997
			ΑU	1614797 A	02-09-1997
			DE	69721658 D1	12-06-2003
			DE	69721658 T2	26-02-2004
			DE	69723931 D1	11-09-2003
			DE	69723931 T2	17-06-2004
			ΕP	0821825 A1	04-02-1998
			ΕP	0830675 A2	25-03-1998
			WO	9730444 A1	21-08-1997
			WO	9730440 A2	21-08-1997
			JP	11504462 T	20-04-1999
			JP	11506248 T	02-06-1999
			US	6751513 B1	15-06-2004
			US	5802032 A	01-09-1998
			US	6205102 B1	20-03-2001
EP 1102247	Α	23-05-2001	JP	2001209940 A	03-08-2001
			EP	1102247 A2	23-05-2001
		•	US	2002122365 A1	05-09-2002
			US	2003072234 A1	17-04-2003
			US	6404713 B1	11-06-2002
WO 9836411					11 00-2002
WU 9830411	Α	20-08-1998	MO	9836411 A2	20-08-1998
			EΡ	0895634 A2	10-02-1999
			JP	2000508820 T	11-07-2000
			US	6285647 B1	04-09-2001
			AT	246837 T	15-08-2003
			AU	1614797 A	02-09-1997
			DE	69723931 D1	11-09-2003
			DE	69723931 T2	17-06-2004
			EP	0830675 A2	25-03-1998
			JP	11506248 T	02-06-1999
			US	6205102 B1	20-03-2001